

Title (en)
GAS SENSOR WITH INNER PUMP CELL

Title (de)
GASSENSOR MIT INNEN LIEGENDER PUMPZELLE

Title (fr)
CAPTEUR DE GAZ AVEC UNE CELLULE DE POMPAGE SITUÉE À L'INTÉRIEUR

Publication
EP 2108119 B1 20120111 (DE)

Application
EP 07847270 A 20071122

Priority
• EP 2007062683 W 20071122
• DE 102006062060 A 20061229

Abstract (en)
[origin: US2011056270A1] A sensor element, which may be used as Lambda probe and/or inside a Lambda probe, for example, is provided for determining at least one physical property of a gas mixture in at least one gas chamber. The sensor element has at least one first electrode, at least one second electrode and at least one solid state electrolyte, which connects the at least one first electrode and the at least one second electrode. The at least one first electrode and the at least one second electrode are situated inside the sensor element. The at least one second electrode is connected to at least one reference gas chamber via at least one discharge air channel.

IPC 8 full level
G01N 27/407 (2006.01)

CPC (source: EP US)
G01N 27/4071 (2013.01 - EP US); **G01N 27/41** (2013.01 - US)

Citation (examination)
• DE 10352797 A1 20050602 - BOSCH GMBH ROBERT [DE]
• US 6306271 B1 20011023 - KATO NOBUHIDE [JP], et al

Cited by
WO2021143054A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2011056270 A1 20110310; US 8900432 B2 20141202; AT E541208 T1 20120115; DE 102006062060 A1 20080703;
EP 2108119 A2 20091014; EP 2108119 B1 20120111; ES 2377023 T3 20120321; JP 2010515034 A 20100506; JP 5065413 B2 20121031;
WO 2008080706 A2 20080710; WO 2008080706 A3 20081204

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ES 07847270 T 20071122; JP 2009543415 A 20071122